

TVOK NETWORK, LLC
TV STL SYSTEM
CHANNEL 32
ENID, OKLAHOMA
October 2011

SELF-COORDINATION ENGINEERING STATEMENT

This statement was prepared on behalf of TVOK Network, LLC (“TNL”), licensee of LPTV station KXOK-LD, Channel 31, Enid, Oklahoma. TNL is seeking authority to construct and operate a UHF-TV microwave system between its tower site in Enid, Oklahoma and a site located near Lamont, Oklahoma. The system will be vertically polarized and operate in the frequency range of 578-584 MHz (UHF-TV Channel 32). The proposed EIRP of the system is well below the 35 dBW FCC limit for TV studio transmitter links.

Channel 32 (578-584 MHz) was analyzed using Longley-Rice OET Bulletin #69 criteria for low power TV facilities, as implemented on the V-Soft Probe 3 computer model. This model has been found to replicate the model used by the FCC for TV interference reviews. The analysis considered full power and low power TV stations, as well as the taboo UHF channels. There were no stations found that would receive interference as a result of the proposed microwave system. The cell size for the analysis was set at 1.0 kilometer, with terrain sampled at 0.1 kilometer increments, using the 3 second N.G.D.C. computer terrain database. The results of the study are attached as Exhibit A. Based on the foregoing, the proposed Channel 32 UHF-TV microwave system is believed to be in compliance with the Commission’s rules.

The foregoing was prepared on behalf of TVOK Network, LLC, by Graham Brock, Inc., its Technical Consultants. All information contained herein is true and accurate to the best of our belief and knowledge. Television station data used in the interference review was extracted from FCC CDBS database, as updated on October 26, 2011. We assume no liability for errors or omissions in that database.

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EXHIBIT A

Outgoing Interference Population Report

TV STL (Channel 32 - Digital) Enid, Oklahoma
Broadcast Type: Digital Service: G [Stringent Emission Mask]
Lat: 36-23-48 N Lng: 097-52-38 W ERP: 0.095 kW AMSL: 457.7 m
TV Outgoing Interference Study
Signal Resolution: 1.0 km
Consider NTSC Taboo: Yes
KWX error points are considered to
be interference free coverage.
Default # of radials computed for contours: 72
Contours calculated using 8 radial HAAT.
LR Profile Spacing Increment: 0.1 km
Masked interference points are being counted
as interference free.
Using LPTV/translator D/U rules.
Pop Centroid DB: 2000 US Census (SF1)

Study Date: 10/26/2011
TV Database Date: 10/26/2011

Primary Terrain: V-Soft 3 Second US Terrain
Secondary Terrain: V-Soft 30 Second US Database

Population Database: 2000 US Census (SF1)

Stations Considered:

Call Letters	City	State	Dist	Bear
KDCU-DR.P.A (31)	Derby	KS	158.9	11.3
KDCU-DT (31)	Derby	KS	158.9	11.3
K32JF-D.C (32)	Dodge City	KS	244.7	309.0
K32JQ-D.C (32)	Manhattan	KS	333.0	19.1
1369002-D.A (32)	Wilson	KS	275.3	351.6
K31JQ-D (31)	Woodward, Etc.	OK	126.9	278.9
KLHO-LP-D (31N)	Oklahoma City	OK	120.0	161.6
KXOK-LD-D (31)	Enid	OK	0.0	0.0
KLHO-LD-D (31)	Oklahoma City	OK	120.0	161.6
K32IO-D.C (32)	Tulsa	OK	168.6	100.3
K32IW-D.C (32)	Tulsa	OK	162.0	97.6
K59GF-D.C (32)	Guymon,	OK	322.7	276.6
K32KG-D.C (32)	Lawton	OK	213.5	196.5
K32KA-D.C (32)	Clinton	OK	132.0	223.8
K32IC-D (32)	Altus	OK	236.6	214.9
KOCB-D (33)	Oklahoma City	OK	100.3	159.4
K33JM-D (33)	Mooreland, Etc.	OK	126.9	278.9
1368485-D.A (32)	Wichita Falls	TX	283.3	192.5
KYWF-LP-D.C (32)	Wichita Falls	TX	281.3	191.7
K32EH-D (32)	Memphis	TX	303.6	235.2
KOCB-D (33)	OKLAHOMA CITY	OK	100.3	159.4

Call	Area	HUnits	Contour	Masked	Ix	Unmasked	Ix	%
KDCU-DR.P.A (31)	0.0	0	748,384		0		0	0.0
KDCU-DT (31)	0.0	0	748,316		0		0	0.0
K32JF-D.C (32)	0.0	0	34,135		0		0	0.0
K32JQ-D.C (32)	0.0	0	73,738		0		0	0.0
1369002-D.A (32)	0.0	0	9,221		0		0	0.0
K31JQ-D (31)	0.0	0	17,450		0		0	0.0
KLHO-LP-D.A (31N)	0.0	0	985,985		0		0	0.0
KXOK-LD-D (31)	0.0	0	63,864		0		0	0.0
KLHO-LD-D (31)	0.0	0	985,985		0		0	0.0
K32IO-D.C (32)	0.0	0	8,808		0		0	0.0
K32IW-D.C (32)	0.0	0	693,795		0		0	0.0
K59GF-D.C (32)	0.0	0	18,744		0		0	0.0
K32KG-D.C (32)	0.0	0	112,834		0		0	0.0
K32KA-D.C (32)	0.0	0	23,876		0		0	0.0
K32IC-D (32)	0.0	0	28,949		0		0	0.0
KOCB-D (33)	1.0	1	1,455,449		0		4	0.0
K33JM-D (33)	0.0	0	17,436		0		0	0.0
1368485-D.A (32)	0.0	0	160,617		0		0	0.0
KYWF-LP-D.C (32)	0.0	0	141,710		0		0	0.0
K32EH-D (32)	0.0	0	4,124		0		0	0.0
KOCB-D (33)	1.0	1	1,465,041		0		4	0.0